



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1588 West North Temple
Salt Lake City, Utah 84116

MINING AND RECLAMATION PLAN

(Other forms may be used in lieu of MR 2, provided they contain the same information)

1. Name of Applicant or Company Atlas Minerals, Division of Atlas Corporation
2. Proposed type of operation Underground Uranium Mine
3. (a) Prior Land Use(s) Grazing
(b) Current Land Use(s) Grazing
(c) Possible or Prospective Future Land Use(s) Grazing
4. What vegetation exists on the land proposed to be affected Juniper, Pinyon, Sagebrush, Indian Ricegrass, and Misc.
(a) Types and Estimated Percent cover or density: Approximately 10 percent cover
5. What is the pH range of soil before mining? 7.8 - 8.2 pH
Name of Person or Agency and method of determining pH Brad Clark, Atlas Minerals using Lamotte colorimetric method
6. Site elevation above sea level 6800 ± feet
7. In case of coal, oil shale, and bituminous sandstone:
Principal seam(s) and thickness(es) NA
8. Estimated duration of mining operations seven (7) years
9. Has overburden, waste or rejected materials been classified as acid or alkali producing? () Yes (X) No
Does the above material being moved have any other characteristics affecting revegetation? nutrient deficient
10. Will any underground workings or aquifers be encountered? (X) Yes () No
Describe water bearing strata will be encountered
Is there an active discharge of water from abandoned deep mines on or crossing the land affected? () Yes (X) No If yes, describe the quality of water being discharged. _____

11. Describe specifically a detailed procedure for: please see Attachment A for
- (a) The mining sequence all described below.
 - (b) The procedure for constructing and maintaining access roads, to include a typical cross-section and a profile of the proposed road grades.
 - (c) The procedure for site preparation including removing trees and brush.
 - (d) The method for removing and stockpiling topsoil or disturbed materials.
 - (e) The method for the placement or containment of all disturbed materials, to include the method for handling of all acid or alkali-producing and toxic materials.
 - (f) A procedure for final stabilization of disturbed materials.

GRADING AND REGRADING

Specifically describe:

- (a) Typical cross-section of regrading. See Attachment B
- (b) The method of spreading topsoil or upper horizon material on the regraded area and indicate the approximate thickness of the final surfacing material. See Attachment A
- (c) What type of soil treatment will be utilized. See Attachment A
- (d) The method of drainage control for the final regraded area. See Attachment A
- (e) Maximum grading slope. See Attachment A

TESTING

1. Describe method for testing stability of reclamation fill material.

Experience with waste rock stockpiles at similar operations

Describe method for the testing of soil that is intended to support vegetation

Soil analysis and test seeding

2. Describe any soil treatment employed as an aid to revegetation None
planned at this time, may use soil amendments and/or surface manipulation.
3. Describe surface preparation of areas intended to support vegetation:
Round-off outside edges of waste rock stockpiles, scarify compacted
surfaces, respread top soil, and seed.

REVEGETATION

1. Revegetation to be completed by:

- | | |
|---|--|
| <input checked="" type="checkbox"/> Operator | <input type="checkbox"/> Hydroseeding |
| <input type="checkbox"/> Soil Conservation District | <input type="checkbox"/> Aerial Seeding |
| <input type="checkbox"/> Private Contractor | <input type="checkbox"/> Conventional or Rangeland Drill |
| <input type="checkbox"/> Other (specify) _____ | <input type="checkbox"/> Broadcast and Drag |
| | <input type="checkbox"/> Other _____ |
| | <input checked="" type="checkbox"/> Broadcast and Drag Covered |

2. Will Mulch be used? () Yes (X) No

Type: _____ Rate/Acre _____ lbs.

3. Revegetation Plan and Schedule -

	Species	Rate/ Acre	Planting Location	Facing N-S-E-W	Season to be replanted
Intermediate	Wheatgrass	4 #/ac	All Locations	West & SW	Preferably Fall
	Crested Wheatgrass	4 #/ac	"	"	"
	Fourwing Saltbrush	1 #/ac	"	"	"
Yellow	Sweet Clover	1 #/ac	"	"	"
	Russian Wildrye	3 #/ac	"	"	"
	Indian Ricegrass	1 #/ac	"	"	"

4. Will affected area be subject to livestock or wildlife grazing?

(X) Yes () No Will vegetation protection be needed? Yes, a fence will be used to protect reseeded areas until such time as vegetation has been established.

5. Will irrigation be used: () Yes (X) No Type _____

6. Describe maintenance procedures for revegetation if needed, until surety release is granted.

Monitoring and reseeding, if necessary.

STATE OF UTAH

COUNTY OF GRAND

I, THOMAS L. WILSON, having been duly sworn
depose and attest that all of the representations contained in the foregoing
application are true to the best of my knowledge; that I am authorized to
complete and file this application on behalf of the Applicant and this
application has been executed as required by law.

Signed: [Signature]

Taken, subscribed and sworn to before me the undersigned authority
in my said county, this 12th day of May, 1977.

Notary Public: Sharon K. Hawkins
Residing at: Moab, Utah

My Commission Expires: 10-30-1980

PLEASE NOTE:

Section 40-8-13(2) of the Mined Land Reclamation Act provides as follows:

"Information relating to the location, size, or nature of the deposit and marked confidential by the operator, shall be protected as confidential information by the Board and the Division and not be a matter of public record in the absence of a written release from the operator, or until the mining operation has been terminated as provided in subsection (2) of section 40-8-21."

Is confidential information contained herein?

YES [Signature] (Initial)

NO _____ (Initial)

Sections desired to be maintained as confidential information -

HARS _____

